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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/717,056	11/19/2003	Palanisamy Arjunan	2002B169/2	7205
23455	7590	01/03/2006	EXAMINER	
EXXONMOBIL CHEMICAL COMPANY 5200 BAYWAY DRIVE P.O. BOX 2149 BAYTOWN, TX 77522-2149				RABAGO, ROBERTO
ART UNIT		PAPER NUMBER		
		1713		

DATE MAILED: 01/03/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	10/717,056	ARJUNAN, PALANISAMY	
	Examiner Roberto Rábago	Art Unit 1713	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 30 September 2005.
- 2a) This action is **FINAL**. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-33,35,37-39,41-43 and 45-48 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-15,21-33,35,37-39,41-43 and 45-47 is/are rejected.
- 7) Claim(s) 16-20 and 48 is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on _____ is/are: a) accepted or b) objected to by the Examiner.
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
 Paper No(s)/Mail Date _____.
- 4) Interview Summary (PTO-413)
 Paper No(s)/Mail Date. _____.
- 5) Notice of Informal Patent Application (PTO-152)
- 6) Other: _____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. Claims 3 and 4 are rejected under 35 U.S.C. 102(a) as being anticipated by Agarwal et al. (US 20020013440).

The reference shows in Comparative Examples 11, 12, 15 and 16 a process including all claimed limitations. Although the reference has not measured the heat of fusion, this property would be inherent in view of the elevated melting points. Regarding the requirement that the propylene polymer be branched, this property would be inherent because the reference process has used a similar process and catalyst. It should be noted that a polymer meets the requirement of being "branched" provided there is but a single detectable non-methyl branch in the composition. The burden of proof is shifted to applicants to show that the reference polymer does not have the claimed unreported properties.

2. Claims 1-15, 21-24, 26, 29-33, 35, 37-39, 41-43 and 45-47 are rejected under 35 U.S.C. 102(e) as being anticipated by Lehmus et al. (US 2004/0158010).

The reference discloses branched polypropylene made using a high temperature process including 2,4-substituted indenyl metallocenes. At least Examples 1-3 and 13 include all claimed limitations. The reference has not measured the crystallization temperature; however, this property would appear to be inherent in view of the reported T_m and E_a . The reference has not measured the melt flow rate; however, this property

would appear to be inherent because applicants have claimed an enormous range of conventional values. The reference has not measured the heat of fusion, however, this property would appear to be inherent in view of the reported Tm. The reference has not measured the branching index; however, this property would appear to be inherent because the reference states that the reference states that the polymers have significant long chain branching ([0069] through 0071]). The reference has not reported the degree of syndio- or iso-tacticity; however, this property would be inherent because the claim includes any level of either of these two properties.

Claim Rejections - 35 USC § 103

3. Claims 25, 27 and 28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lehmus et al. (US 2004/0158010).

The parent claims are discussed with respect to this reference above. One of ordinary skill in the art would be motivated to use the claimed metallocenes because they are suggested at [0035] and [0047]. One of ordinary skill in the art would be motivated to use the claimed activator because it would be immediately envisaged in view of the suggestion at [0057].

4. Claims 16-20 and 48 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

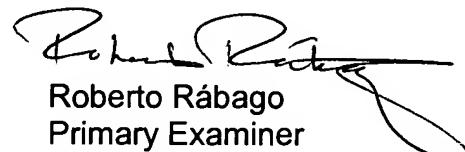
5. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Roberto Rábago whose telephone number is (571) 272-1109. The examiner can normally be reached on Monday - Friday from 8:00 - 4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wu can be reached on (571) 272-1114. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Roberto Rábago
Primary Examiner
Art Unit 1713

RR
December 27, 2005